***Directions:*** Do you like it mild? Or do you like it spicy?! Today, it’s your choice! The mild problems are all worth 1 point each, the medium problems are worth 2 points each, and the spicy problems are 3 points each. Be honest with yourself! If you are ready for a challenge, wrack up the spicy points! If you are not feeling as confident, wipe out the mild points!

Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Points you need to earn: \_\_\_\_\_\_\_\_\_

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| **Mild! http://www.clipartguide.com/_small/0808-0711-1418-0710.jpg** | | **Medium! http://2.bp.blogspot.com/_YFAOmXx4cdU/SwXG95ZTuNI/AAAAAAAAAB8/cUv4rk_JU5s/s320/cartoonpeppers.jpg** | **SPICY! http://www.tradewindsfruit.com/hot_pepper_fresno.jpg** | |
|  | | The width is a of the length of a rectangle. If the length is 16 cm, what is the perimeter of the rectangle?  b) What is the area of the rectangle? |  | |
| An isosceles triangle (a triangle with two equal length sides) has a height of 8 inches and an area of 24 square inches. What is the length of the base of the triangle? | A rectangular playground is to be enclosed by a fence. How long will the fence be if the playground is 60 feet by 120 feet?  A. 180 B. 360 C. 720 D. 3,600 E. 7,200 | | | A trapezoid is shown below with the given dimensions in meters. What is the area, in square meters, of the trapezoid?    A. 9 B. 15 C. 18 D. 24 E. 48 |
| What is the height of a triangle if the area is 36 inches squared and the base is 9 inches squared?  A. 4  B. 4.5  C. 8  D. 16  E. 162 |  | | | A square has sides that are the same length as the radius of a circle. If the circle has an area of 36π square units, how many units long is the perimeter of the square?  A. 18 B. 24 C. 36 D. 72 E. 324 |
|  | In the figure below, the small isosceles right triangles are congruent. The area of the square is 225 square inches. What is the total area, in square inches, of the 2 small triangles?    F. 75 G. 112.5 H. 150 J. 225 K. 450 | | | If all the angles in the figure shown below are right angles and each dimension given is in centimeters, then what is the area of the figure, in square centimeters?  A. 62 B. 106 C. 132 D. 156 E. 166 |
| **Total Mild Points: \_\_\_\_\_\_ http://www.clipartguide.com/_small/0808-0711-1418-0710.jpg** | **Total Medium Points: \_\_\_\_\_\_ http://2.bp.blogspot.com/_YFAOmXx4cdU/SwXG95ZTuNI/AAAAAAAAAB8/cUv4rk_JU5s/s320/cartoonpeppers.jpg** | | | **Total SPICY Points: \_\_\_\_\_\_\_ http://www.tradewindsfruit.com/hot_pepper_fresno.jpg** |